

PTO/SB/08a (08-03)

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/750,213
Filing Date	January 2, 2004
First Named Inventor	Michael L. Vazquez
Art Unit	1621
Examiner Name	Nagubandi, L.
Attorney Docket Number	101765.00005 (2703/9/Div)

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/LN/		Sax, N.I., "Dangerous Properties of Industrial Materials", 6 th Ed., Van Nostrand Reinhold Co., 1984, p. 443	
/LN/		"Handbook of Reactive Chemical Hazards", 3 rd Ed., Butterworths, 1985, p. 295	
/LN/		Reetz et al., Phil. Trans. R. Soc. Lond., 326: 573-578 (1988)	
/LN/		Erickson et al., <u>Science</u> , 249: 527-533 (1980)	
/LN/		Drugs of the Future, 1991, 16(3), 210-212	
/LN/		Pept. Struct. Funct. Proc. AM. Prept. Sym. 8 th ed. by V.J. Hunby and D.H. Rich, "Design of Protease Inhibitors," Rich, Saluturo & Holladay pp. 511-520 (1983)	
/LN/		McQuade et al., "A Synthesis HIV-1 Protease Inhibitor with Antiviral Activity Arrests HIV-Like Particle Maturation", <u>Science</u> , 247, 454 (1990)	
/LN/		Fittkau, <u>J. Prakt. Chem.</u> , 315, 1037-1044 (1973)	
/LN/		Michnick et al., <u>Synlett</u> , 9:631-2 (1991)	
/LN/		Hoffman et al., <u>J. Chem. Soc.</u> , Chem. Commun. (1991);195-196	
/LN/		Gu et al., <u>Chemistry Letters</u> (1992):1169-1172	
/LN/		Harada et al., Chem Pharm. Bull., 37, (9):2570-2572 (1989)	
/LN/		Pauwless et al., "Rapid and automated tetrazolium-based colorimetric assay for the detection of anti-HIV compounds," <u>J. Virol. Methods</u> , 20: 309-321 (1988)	

Examiner
Signature/Lalitha Nagubandi
Date 3/08/2007
Considered

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Sheet

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Application Number

Complete If Known

10/750.213

Filing Date

January 2, 2004

First Named Inventor

Michael L. VAZQUEZ

Art Unit

1621

Examiner Name

O'Sullivan, P.

Attorney Docket Number

101765.00005 (2703/9/Div)

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

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Signature**

/Lalitha Nagubandi	Date Considered
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USPTO Form 1449 U.S. Department of Commerce
Patent and Trademark Office
INFORMATION DISCLOSURE
CITATION

Attorney Docket No.
101765.00005 (2703/9 Divisional)

Serial No.
TBA

Applicant(s): Vazquez et al.

Filing Date:

Group: TBA

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
/LN/	4,268,688	05/19/1981	Tinker et al.			
/LN/	4,990,669	02/05/1991	Reetz et al.			
/LN/	4,599,198	07/08/1986	Hoover			
	SIR-H/25	01/02/1990	Gordon			
/LN/	4,477,441	10/16/1984	Boger et al.			
/LN/	5,157,041	10/20/1992	Handa et al.			
/LN/	4,514,391	04/30/1985	Gordon et al.			
/LN/	4,548,926	10/22/1985	Matsueda et al.			
/LN/	4,616,088	10/07/1986	Ryona et al.			
/LN/	4,668,769	05/26/1987	Hoover			
/LN/	4,668,770	05/26/1987	Boger et al.			
/LN/	4,963,530	10/16/1990	Hemmi et al.			
/LN/	4,977,277	12/11/1990	Rosenberg et al.			
/LN/	4,757,050	07/12/1988	Natarajan et al.			
/LN/	5,157,143	10/20/1992	Pellacini et al.			
/LN/	5,142,056	8/25/1992	Kempe et al.			
/LN/	5,585,397	12/17/1996	Tung et al.			
/LN/	5,278,148	1/11/1994	Branca et al.			
/LN/	5,583,238	12/10/1996	Ng et al.			
/LN/	5,648,511	7/15/1997	Ng et al.			
/LN/	6,022,996	2/8/2000	Ng et al.			
/LN/	5,872,299	2/16/1999	Ng et al.			
/LN/	5,872,298	2/16/1999	Ng et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
/LN/	2,184,730	07/01/1987	UK				
/LN/	2,209,752	05/24/1989	UK				
/LN/	0 264 765	04/27/1988	EPO				
/LN/	0 346 847	12/20/1989	EPO				

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/LN/		0 342 541	11/23/1989	EPO				
/LN/		0 104 041	03/28/1984	EPO				
/LN/		0 114 993	08/08/1984	EPO				
/LN/		WO 84/03044	08/16/1984	PCT				
/LN/		0 393 445	10/24/1990	EPO				
/LN/		0 393 457	10/24/1990	EPO				
/LN/		0 356 223	02/28/1990	EPO				
/LN/		0 389 898	10/03/1990	EPO				
/LN/		0 337 714	10/18/1989	EPO				
/LN/		0 402 646	12/19/1990	EPO				
/LN/		0 172 347	02/26/1986	EPO				
/LN/		0 223 437	05/27/1987	EPO				
/LN/		WO93/13066	07/08/1993	PCT				
/LN/		WO92/14703	09/03/1992	PCT				
/LN/		79823/87	1987	Australia				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

/LN/		Roberts et al., <u>Science</u> , 248, 385 (1990)
/LN/		Krohn et al., <u>J. Med. Chem.</u> 34, 3340 (1991)
/LN/		Getman et al., <u>J. Med. Chem.</u> , 36, 288 (1993)
/LN/		Reetz et al., <u>Tet. Lett.</u> , 30, 5425 (1989)
/LN/		Sax, N.I., "Dangerous Properties of Industrial Materials", 6th Ed., Van Nostrand Reinhold Co., 1984, p. 443
/LN/		"Handbook of Reactive Chemical Hazards", 3rd Ed., Butterworths, 1985, p. 295
/LN/		Reetz et al., <u>Phil. Trans. R. Soc. Lond.</u> , 326: 573-578 (1988)
/LN/		Reetz et al., <u>Angew. Chem. Int. Ed.</u> , 26, 1141-1143 (1987)
/LN/		J.R. Parikh, <u>J. Amer. Chem Soc.</u> , 89, 5505-5507 (1967)
/LN/		Erickson et al., <u>Science</u> , 249:527-533 (1980)
/LN/		Drugs of the Future, 1991, 16(3), 210-212
/LN/		Meek et al., <u>Nature</u> , 343:90-92 (1990)

USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE CITATION		Attorney Docket No. 101765.00005 (2703/9 Divisional)	Serial No. TBA
		Applicant(s): Vazquez <i>et al.</i>	
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/LN/		Pept. Struct. Funct. Proc. AM. Prept. Sym. 8th ed. by V.J. Hunby and D.H. Rich, "Design of Protease Inhibitors" (Rich, Saluturo & Holladay pp. 511-520 (1983))	
/LN/		McQuade <i>et al.</i> , "A Synthesis HIV-1 Protease Inhibitor with Antiviral Activity Arrests HIV-Like Particle Maturation", <i>Science</i> , 247, 454 (1990)	
/LN/		Rosenberg <i>et al.</i> , <i>J. Med. Chem.</i> , 30, 1224-1228 (1987)	
/LN/		Sadhu <i>et al.</i> , <i>Tet. Lett.</i> , 27, 795 (1986)	
/LN/		Villieras <i>et al.</i> , <i>Tet. Lett.</i> , 25, 835 (1984)	
/LN/		Fittkau, <i>J. Prakt. Chem.</i> 315, 1037-1044 (1973)	
/LN/		Evans <i>et al.</i> , <i>J. Org. Chem.</i> , vol. 50, no. 23, 4615-24 (1985)	
/LN/		Michnick <i>et al.</i> , <i>Synlett</i> , 9:631-2 (1991)	
/LN/		Reetz <i>et al.</i> , <i>Tet. Lett.</i> , Vol. 29, No. 27, 3295-98 (1988)	
/LN/		Hoffman <i>et al.</i> , <i>J. Chem. Soc., Chem. Commun.</i> (1991):195-196	
/LN/		Gu <i>et al.</i> , <i>Chemistry Letters</i> , (1992): 1169-1172	
/LN/		Luly <i>et al.</i> , <i>J. Org. Chem.</i> , 53 (1988):6109-6112	
/LN/		Harada <i>et al.</i> , <i>Chem Pharm. Bull.</i> , 37, (9):2570-2572 (1989)	
EXAMINER		DATE CONSIDERED	
		/Lalitha Nagubandi / (03/08/2007)	
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Sheet 4 of 5

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Application Number	TBA
Filing Date	
First Named Inventor	Michael L. Vazquez
Group Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	101765.00005 (2703/9 Divisional)

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Sheet 5 of 5

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Application Number	TBA
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First Named Inventor	Michael L. Vazquez
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/LN/		Erickson et al., "Design Activity, and 2.8A Crystal Structure of a C ₂ Symmetric Inhibitor Complexed to HIV-1 Protease," <i>Science</i> , 527, (1990)	
/LN/		S. J. Fittkau, <i>Prakt. Chem.</i> , 315, 1037 (1973)	
/LN/		Pauwles et al., "Rapid and automated tetrazolium-based colorimetric assay for the detection of anti-HIV compounds," <i>J. Virol. Methods</i> , 20, 309-321 (1988)	

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